# BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

## BYATARAYANAPURA DIVISION

### KODIGEHALLI SUB DIVISION

### WARD 7: BYATARAYANAPURA

Name of work:- Estimate to existing toilet near Jakkur in Ward No. 07 Byatarayanapura, Kodigehalli Sub division Kodigehalli Sub Division.

Estimated Cost:- 5.00 Lakhs.

P-CODE:- P-3294.

Job sheet:- 007-18-000085

# BRUHATH BANGALORE MAHANAGARA PALIKE

## Name of work: Repairs to existing toilet near Jakkur in Ward No 07, Byatarayanapura

**Estimate cost : Rs 5.00 lakhs**

| Sl No | Description of work | Measurements No | L | B | D | Qty | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per | | | | | | | | |
| | Pipe Line | 1 | 49 | 0.60 | 0.75 | 22.05 | | | |
| | [P.No.5-1.No.2.4] | | | | | **22.05** | **cum** | **305.64** | **6739.36** |
| | Basic Rate 283.00 | | | | | | | | |
| | Add 8% 22.64 | | | | | | | | |
| | Total Rs 305.64 | | | | | | | | |
| 2 | KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per | | | | | | | | |
| | V. | 8 | | 0.90 | | 0.60 | **4.32** | | | |
| | [P.No.32-1.No.7.9] | | | | | | | | |
| | Basic Rate 78.00 | | | | | | **4.32** | **kg** | **84.24** | **363.92** |
| | Add 8% 6.24 | | | | | | | | |
| | Total Rs 84.24 | | | | | | | | |
| 3 | PVC DOOR Shutter : Supply and fixing of doors shuttersmade of rigid PVC extruded hollow section of 20mm X 200mm with the wall thickness of 1.0mm + /0.1mm equally divided into 4nos with tongue and groove locking arrangements. The shutter frame is made of 58*24 mm with the wall thickness of 1.5mm+/-0.15mm section metricut and joined at 4 corners with 125mmX225mm plastic brackets. The shitter shall be horizontally reinforced with 2nos of 8mm PVC rods. Teak wood battons shall be reinforced inside the door shutter during the fabrication of the door shutter at those points wherever the hardware is fixed on to the door shutter. | | | | | | | | |
| | D1 . | | 8 | 0.75 | | 2.10 | **12.60** | | | |
| | [P.No.58-1.No.9.86] | | | | | | **12.60** | **sqm** | **1900.80** | **23950.08** |
| | Basic Rate 1760.00 | | | | | | | | |
| | Add 8% 140.80 | | | | | | | | |
| | Total Rs 1900.80 | | | | | | | | |

| Sl No | Description of work | Measurements No | L | B | D | Qty | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 4 | KSRB15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, | | | | | | | | |
| | Outside Plastering . | 2 | 3.50 | | 3.60 | **25.20** | | | |
| | | 2 | 3.00 | | 3.60 | **21.60** | | | |
| | | 2 | 4.00 | | 3.60 | **28.80** | | | |
| | | 2 | 5.50 | | 3.60 | **39.60** | | | |
| | [P.No.114-1.No.15.18] | | | | | **115.20** | **sqm** | **279.72** | **32223.74** |
| | Basic Rate 259.00 | | | | | | | | |
| | Add 8% 20.72 | | | | | | | | |
| | Total Rs 279.72 | | | | | | | | |
| 5 | KSRB15-3.10 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, | | | | | | | | |
| | Inside Plastering .\ | 2 | 3.10 | | 3.00 | 18.60 | | | |
| | | 2 | 1.20 | | 3.00 | 7.20 | | | |
| | Celing plastering | 1 | 3.10 | 2.50 | | 7.75 | | | |
| | for toilet | 2 | 1.50 | | 3.00 | 9.00 | | | |
| | for toilet | 2 | 1.50 | | 2.10 | 6.30 | | | |
| | for urinals | 2 | 1.20 | | 3.00 | 7.20 | | | |
| | [P.No.114-1.No.15.21] | | | | | **56.05** | **sqm** | **208.44** | **11683.06** |
| | Basic Rate 193.00 | | | | | | | | |
| | Add 8% 15.44 | | | | | | | | |
| | Total Rs 208.44 | | | | | | | | |
| 6 | KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other | | | | | | | | |
| | Toilets-1 | 2 | 2.30 | | 3.00 | 13.8 | | | |
| | | 2 | 4.60 | | 2.10 | 19.32 | | | |
| | | 2 | 2.30 | | 3.00 | 13.8 | | | |
| | [P.No.118-1.No.15.54.2] | | | | | **46.92** | **sqm** | **45.36** | **2128.29** |
| | Basic Rate 42.00 | | | | | | | | |
| | Add 8% 3.36 | | | | | | | | |
| | Total Rs 45.36 | | | | | | | | |
| 7 | KSRB 14.14-5 : Providing ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. ceramic tiles | | | | | | | | |
| | Toilet flooring . | 2 | 1.20 | 1.50 | | 3.60 | | | |
| | Urianls area | 1 | 3.10 | 1.20 | | 3.72 | | | |
| | | 1 | 3.00 | 2.50 | | 7.50 | | | |
| | | 2 | 5.00 | 4.50 | | 45.00 | | | |
| | | 2 | 5.00 | 6.50 | | 65.00 | | | |

| Sl No | Description of work | | Measurements No | L | B | D | Qty | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| | [P.No.106-1.No.14.36.3] | | | | | | **124.82** | **Sqm** | **1272.24** | **158801.00** |
| | Basic Rate | 1178.00 | | | | | | | | |
| | Add 8% | 94.24 | | | | | | | | |
| | Total Rs | **1272.24** | | | | | | | | |
| 8 | KSRB 14.14-5 : Providing ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. ceramic tiles 15X15cms 6mm thick | | | | | | | | | |
| | Toilet wall . | | 4 | 1.20 | | 2.10 | 10.08 | | | |
| | Urianls wall | | 4 | 1.50 | | 2.10 | 12.60 | | | |
| | Urianls wall | | 2 | 3.10 | | 2.10 | 13.02 | | | |
| | Wash basin area | | 1 | 1.20 | | 3.10 | 3.72 | | | |
| | [P.No.106-1.No.14.36.1] | | | | | | **39.42** | **Sqm** | **999.00** | **39380.58** |
| | Basic Rate | 925.00 | | | | | | | | |
| | Add 8% | 74.00 | | | | | | | | |
| | Total Rs | **999.00** | | | | | | | | |
| 9 | Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC | | | | | | | | | |
| | 20mm dia CPVC pipe . | | 1 | 30 | | | **30.00** | | | |
| | [P.No.97-1.No.13.87.2] | | | | | | **30.00** | **mtr** | **135.00** | **4050.00** |
| | Basic Rate | 125.00 | | | | | | | | |
| | Add 8% | 10.00 | | | | | | | | |
| | Total Rs | 135.00 | | | | | | | | |
| | 25mm dia CPVC pipe . | | 1 | 30 | | | **30.00** | | | |
| | [P.No.97-1.No.13.87.3] | | | | | | **30.00** | **mtr** | **178.20** | **5346.00** |
| | Basic Rate | 165.00 | | | | | | | | |
| | Add 8% | 13.20 | | | | | | | | |
| | Total Rs | 178.20 | | | | | | | | |
| | 32mm dia CPVC pipe . | | 1 | 30 | | | **30.00** | | | |
| | [P.No.97-1.No.13.87.4] | | | | | | **30.00** | **mtr** | **232.20** | **6966.00** |
| | Basic Rate | 215.00 | | | | | | | | |
| | Add 8% | 17.20 | | | | | | | | |
| | Total Rs | 232.20 | | | | | | | | |
| 10 | Providing white vitreous china clay indian pattern squatting urinals with white glazed foot rests of approved quality and make conforming to ISI specifications and fixing in position with M-15 as directed of size 50.8 cms X 38 cms X 10.16 CMS - A grade(Rate . | | | | | | **4.00** | | | |
| | [P.No.88-1.No.12.110] | | | | | | **4.00** | **each** | **1047.60** | **4190.40** |
| | Basic Rate | 970.00 | | | | | | | | |
| | Add 8% | 77.60 | | | | | | | | |

| Sl No | Description of work | | Measurements No | L | B | D | Qty | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Rs | 1047.60 | | | | | | | | |
| 11 | Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and | | | | | | | | | |
| | 12.5cmx7.5cm . | | | | | | 5.00 | | | |
| | [P.No.88-1.No.12.113.2] | | | | | | 5.00 | each | 307.80 | 1539.00 |
| | Basic Rate | 285.00 | | | | | | | | |
| | Add 8% | 22.80 | | | | | | | | |
| | Total Rs | 307.80 | | | | | | | | |
| 12 | KSRB13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete | | | | | | | | | |
| | . | | | | | | 15.00 | | | |
| | [P.No.91-1.No.13.23] | | | | | | 15.00 | each | 249.48 | 3742.20 |
| | Basic Rate | 231.00 | | | | | | | | |
| | Add 8% | 18.48 | | | | | | | | |
| | Total Rs | 249.48 | | | | | | | | |
| 13 | KSRB 12-8.1 : Constructing brick masonry inspection chamber 455x610mm, and 450mm depth, ( clear inside dimension ) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg ( weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of | | | | | | | | | |
| | . | | | | | | 4.00 | | | |
| | [P.No.73-1.No.11.50] | | | | | | 4.00 | No's | 7604.28 | 30417.12 |
| | Basic Rate | 7041.00 | | | | | | | | |
| | Add 8% | 563.28 | | | | | | | | |
| | Total Rs | 7604.28 | | | | | | | | |
| 14 | KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I/M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, | | | | | | | | | |
| | . | | | | | | 5.00 | | | |
| | [P.No.77-1.No.12.5] | | | | | | 5.00 | each | 5540.40 | 27702.00 |
| | Basic Rate | 5130.00 | | | | | | | | |
| | Add 8% | 410.40 | | | | | | | | |
| | Total Rs | 5540.40 | | | | | | | | |

| Sl No | Description of work | | Measurements No | L | B | D | Qty | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| 15 | KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of | | | | | | | | | |
| | . | | | | | | 3.00 | | | |
| | [P.No.80-1.No.12.23] | | | | | | 3.00 | No's | 4196.88 | 12590.64 |
| | Basic Rate | 3886.00 | | | | | | | | |
| | Add 8% | 310.88 | | | | | | | | |
| | Total Rs | 4196.88 | | | | | | | | |
| 16 | KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity) | | | | | | | | | |
| | [P.No.94-1.No.13.78] . | | | | | | 2.00 | No's | 9144.36 | 18288.72 |
| | Basic Rate | 8467.00 | | | | | | | | |
| | Add 8% | 677.36 | | | | | | | | |
| | Total Rs | 9144.36 | | | | | | | | |
| 17 | Providing and finishing external walls in two coats over one coat of 100% acrylic silicon glazed primer with antifungal paint for top coat of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour complete as per specifications. | | | | | | | | | |
| | [P.No.125-1.No.15.104] | | | | | | 115.20 | Sqm | 163.08 | 18786.82 |
| | Basic Rate | 151.00 | | | | | | | | |
| | Add 8% | 12.08 | | | | | | | | |
| | Total Rs | 163.08 | | | | | | | | |
| 18 | Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.NO - 94, I.NO - 13.73.2, PWD SR 16-17) | | | | | | | | | |
| | | | 1 | 49.00 | | | 49.00 | No's | 368.88 | 18075.12 |
| | Basic Rate | 348.00 | | | | | | | | |
| | Add 8% | 20.88 | | | | | | | | |
| | Total Rs | 368.88 | | | | | | | | |

| Sl No | Description of work | Measurements No | L | B | D | Qty | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 19 | Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO - 6, I.NO - 2.11, PWD SR 16-17) | | | | | | | | |
| | | 1 | 49.00 | 0.60 | 0.75 | 22.05 | Sqm | 80.56 | 1776.35 |
| | Basic Rate 76.00 | | | | | | | | |
| | Add 8% 4.56 | | | | | | | | |
| | Total Rs 80.56 | | | | | | | | |
| | | | | Total Rs. | | _ | _ | _ | 428740.40 |
| | | | | Add 12% GST | | _ | _ | _ | 51448.85 |
| | | | | Add 3%KRIDL | | | | | 12862.21 |
| | | | | Add 1% Labour | | | | | 4287.40 |
| | | | | For Miscellaneous & | | _ | _ | _ | 2661.14 |
| | | | | GRAND TOTAL | | _ | _ | _ | 500000.00 |

**CERTIFICATE**

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17
3 This works come under B.B.M.P. limits.

Assistant Engineer
Ward no. 07

Executive Engineer
Byatarayanaura Div

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike

ADMINISTRATIVE APPROVAL
Accorded For Rs. Five lakhs only
Head of A/c P-3294
Div. Ref. No. 61/18-19 Date 01/02/19
AE EE(BTP)

TECHNICAL SANCTION
Accorded For Rs. Five lakhs only
Head of A/c P-3294
Div. Ref. No. 105/18-19 Date 01/02/19
AE EE(BTP)

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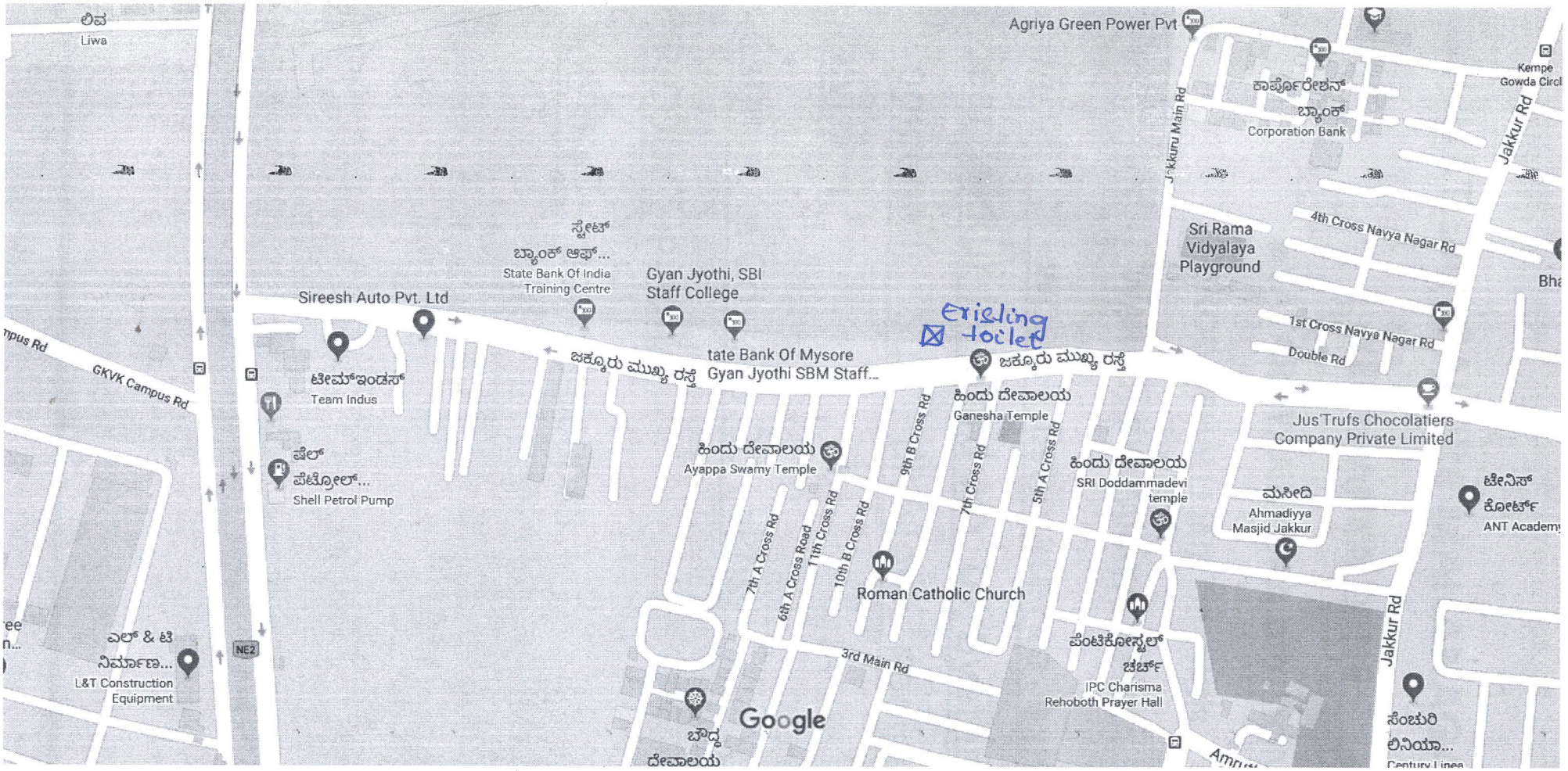


Ashok. N.D
AE(W)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092